M. A. R. 57 (Rule 116)

Measurement Book

No. B

510578

Bill no 1. 2nd and part

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Repair and Improvements to Roads and drains and footpath of Devinagar main road in ward no. 8, Kodigehalli.						
	T/S No :- CE(RI)/TS/125/19-20 Dt 23.10.2019						
	Job No :- 008-20-000035 (₹-2902)						
	Work order No :- EE/RI-ynk/wo/14/19-20 Dt 18.12.2019.						
	Est. Cost :- Rs. 100.00 lakhs.						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	~~Agency~~ Executive Engineer - 4, KRIDL, BRMD Division, Sri Shivakumar Swamy Nilaya, No. 280, 5th cross, 13th C main road, 3rd 'A' Block, Rajajinagar, Bangalore. For measurements, please refer first and part EMB Excel sheet Booklet enclosed with the original file.						
(1)	Removing and refixing stone slabs of drains and pointing in CM (1:3) with all lead & lift upto direction of engineer.						
	City wide Item No. (1) Pg. No. (1) of Excel sheet Booklet					62.90 Rgm.	

M. A. R. 57 (Rule 116)
Measurement Book
No. B 510579

rial No .....
me of Work ..... From ..... To .....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	~~3~~	4	5	6	7	8
	62.90 Rgm @ Rs. 111 = 30 per Rgunit					= 7000 = 77	
(2)	Eastwards excavation by manual means for roads, drains & similar widths in ordinary soil excavated surface levelled and sides made dressed and disposed earth to be levelled neatly after breaking of clods						
	City wide Item No. (2) Pg. No. (2) of Excel sheet Booklet					: 29.98 Cum.	
	29.98 Cum @ Rs. 214 = 50 per Cum					= 6429 = 69	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3. Excavation of roadside in all types of soil by mechanical means including cutting and loading to tipper trimming bottom and side slopes, in accordance with requirement of lines, grades and cross sections and requirement of lines, grades and cross sections and transportation with a lead of 600 km.						
	Qty vide Item no. (3) Page no. (3) of Excel sheet booklet					: 234.76 Cum.	
	234.76 cum @ Rs. 234.76 per cum					= 13386.14	
	4. Providing & laying plain cement concrete of mix 1:3:6 with OPC @ 220 kgs, with crushed 40mm and down						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 510580

Serial No. ..... From ..... To .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	size graded granite metal coarse aggregate @ 0.89 cum & fine aggregate @ 0.46 cum in foundation mechanically mixed						
	Qty vide Item no. (4) Page no. (4) of Excel sheet booklet					: 29.79 cum	
	29.79 cum @ Rs. 5421.90 per cum					= 161523.82	
	5. Providing & laying plain / reinforced cement concrete 7th side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm & down size granite metal coarse aggregate at 0.69 cum and						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	fine aggregate at 0.43 cum machine mixed, used compacted for walls & bottom including kentering, shuttering, cost of materials						
	Qty vide Item no (5) Page no (5) of Excel sheet booklet					: 94.72 Cum	
	94.72 Cum @ Rs. 9273.72 per Cum = 6899.31						
6.	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and welding wherever required by use with binding wire and anchoring to the adjoining member.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

510581

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Qty vide Item no (6) Page no (6) of Excel sheet booklet					: 3.80 Ton	
	3.80 Ton @ Rs. 72326 = 98 per Ton = 274734 = 02						
7.	Providing & laying 100mm thick pre-cast cover slab over drains of width not exceeding 800mm using M40 concrete reinforced with steel @ 6.00 kg/sqm, slabs joined in CM 1:3 proportion and neatly finished including providing holes.						

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MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide Item No. (7) pg no. (17) of Excel sheet booklet					133.00 Rmt	
	133.00 Rmt @ Rs. 1375=03 per Rmt					=	182879.[illegible]
	9) Providing & fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top & bottom width 114 & 165 mm respectively 300 mm high and 450 mm in length jointed with CM 1:3 pointing & fixing inc cutting including [illegible]						
	Qty vide Item no. (9) pg no. (18) of Excel sheet booklet					: 535 Nos	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 510582

Serial No .... From .... To ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc. of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	535 Nos @ Rs. 432=48/- per no					:	231376=80/
	11) Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris						
	Qty vide Item no. (11) pg no. (7) of Excel sheet booklet					: 2510.88 Sqmt	
	2510.88 Sqmt @ Rs. 41=34/- per sqmt					=	103799=57/

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	12) Construction of granular sub-base grading-V at sub-base and drainage layer by providing base graded Crushed stone aggregate of granite / trap / basalt mechanical mixing by mix in place method by Motorworks at OMC						
	Qty vide Item no 12 pg no (8) of Excel Sheet booklet					376.63 Cum	
	376.63 Cum @ Rs. 1855 = 00/- per Cum					= 6988	
	13) Providing & laying, spreading and compacting Crushed stone aggregate of granite / trap / basalt to wet mix macadam specification including pre-mixing the						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

510583

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	material with water at OMC in mechanical mix plant carrying of mixed						
	Qty vide Item no (13) pg no (9) of Excel Sheet booklet					564.95 Cum.	
	564.95 Cum @ Rs. 2001 = 28/- Per Cum					= 1130616 = 88	
	14) Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular base such as WBM WMM including cleaning of road surface & spraying						

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MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement

Qty vide item no (14) pg no (10) of Excel Sheet booklet : 6025.00 sqmt

6025.00 sqmt @ Rs. 29=68/- per sqmt = 178821

15 Cleaning the existing black topped surface with broom, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment

Qty vide item no (15) pg no (11) of Excel Sheet booklet : 3514.12 sqm

3514.12 sqmt @ Rs. 5=30/- per sqmt = 18624

M. A. R. 57 (Rule 116)
Measurement Book

No. B 510584

Serial No ....

Name of Work .... From .... To ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

16) Providing and applying tack coat using 80/100 grade bitumen (VG 10) on the prepared black topped surface at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set

Qty vide item no (16) pg no (12) of Excel Sheet booklet : 6025.00 sqm

6025.00 sqmt @ Rs. 12=72/- per sqmt = 76637=94/-

17) Providing & laying dense graded bituminous macadam using crushed aggregate of specified grading, premixed with VG 30 grade

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	Measurement No.
	bituminous binder and transporting the hot mix to work site, laying to the required grade, level & alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction						
	Qty vide Item no (17) Page no (13) of Excel Sheet booklet					301.25 cum	
	301.25 cum @ Rs. 6858 = 79/- per cum =					2068625	
18)	Providing and laying bituminous concrete 40 mm thick using hot mix plant, using crushed aggregates of specified						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

510585

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying over the paver finisher to the required grade, level & alignment, rolling with smooth wheeled vibratory & tandem rollers to achieve the desired compaction						
	Qty vide Item no (18) Page no (81) of Excel Sheet booklet					241.00 cum	
	241.00 cum @ Rs. 8049 = 81/- per cum =					1939961 = 63	
	Total Amount =					7779611 = 17	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total Amount		= 77794 11	
				4% KBOCL charge		= 3111 76 = 4	
				12% GST Charge		= 9335 29 = 9	
						90,929.116	90241163
	Rupees ninety thousand nine hundred twenty four thousand one hundred sixteen only/-						

08/05/2020

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bhuhat Bengaluru Mahanagara Palike
Bengaluru - 02

M. A. R. 57 (Rule 116)
Measurement Book

No. B 510586

rial No. ..... From ..... To .....
me of Work .....
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Certificate:-						
	1. certified that the Contractor carried out the work satisfactorily.						
	2. Certified that the Contractor has cleared the debris from the work site.						

08/05/2020

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bhuhat Bengaluru Mahanagara Palike
Bengaluru - 02.

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	BILL AMOUNT 90,24,116/-					
	DEDUCTIONS					
	INCOME TAX 1,20,858/-					
	CGST 80,572/-					
	SGST 80,572/-					
	S.D. 4,02,862/-					
	L.C 80,572/-					
	CBF 8058/-					
	ADVANCE/Royalty 205114/-					
	FINE - NIL					
	OTHER - NIL -					
	otal Deductions 978608/-					
	Net Payable 8045508/-					

Bill Passed

Passed for Rs. 90,24,116/- only

Net Cheque Rs. 8045508/- only

Rs. in words... Eighty lakh forty five Thousand five Hundred and Eight only

Adjustment Rs. 978608/- only

EE-YNK

EE-YNK

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

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